

Figure 1

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	202
0	0	1	2	2	2	2	2	2	2	2	2	2	2	2	2	202
0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3
0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3
0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3
0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3
0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3
0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3
0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3
0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3
0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3

Figure 2A

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	202
0	0	0	1	2	2	2	2	2	2	2	2	2	2	2	2	202
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3

Figure 2B

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	202
0	0	0	1	2	2	2	2	2	2	2	2	2	2	2	2	202
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3

Figure 2C

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	202
0	0	0	1	2	2	2	2	2	2	2	2	2	2	2	2	2	202
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	
0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	

Figure 2D

204 204 204 204 204 204 204 204 204 204 204 204 204 204 204 204 204

Title: Systems And Methods For
Voxel Warping
Inventor: Payne
Serial No. Not Yet Assigned
Atty Docket No. SNS-009A (7268/15)
Atty/Agent: Joseph B. Milstein

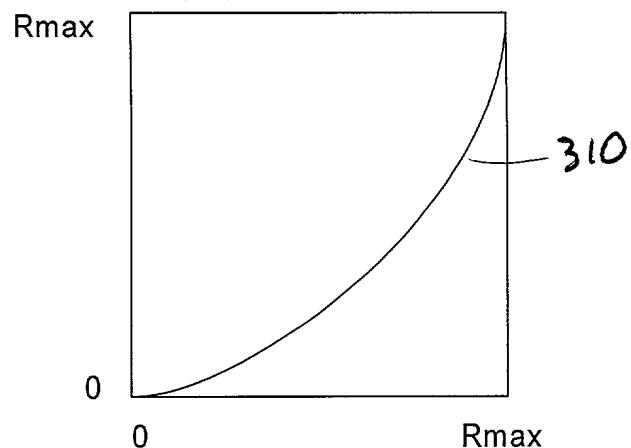


Figure 3

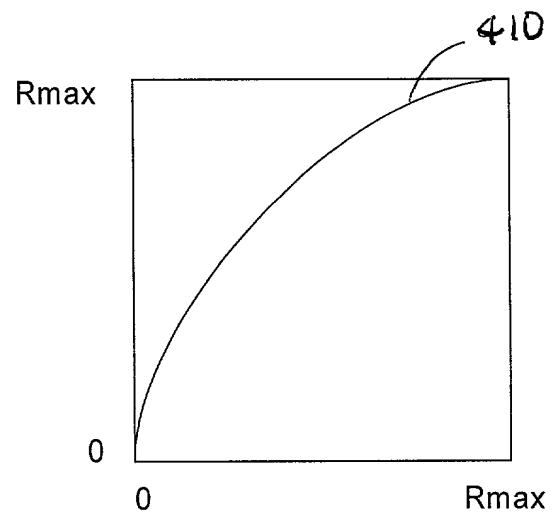
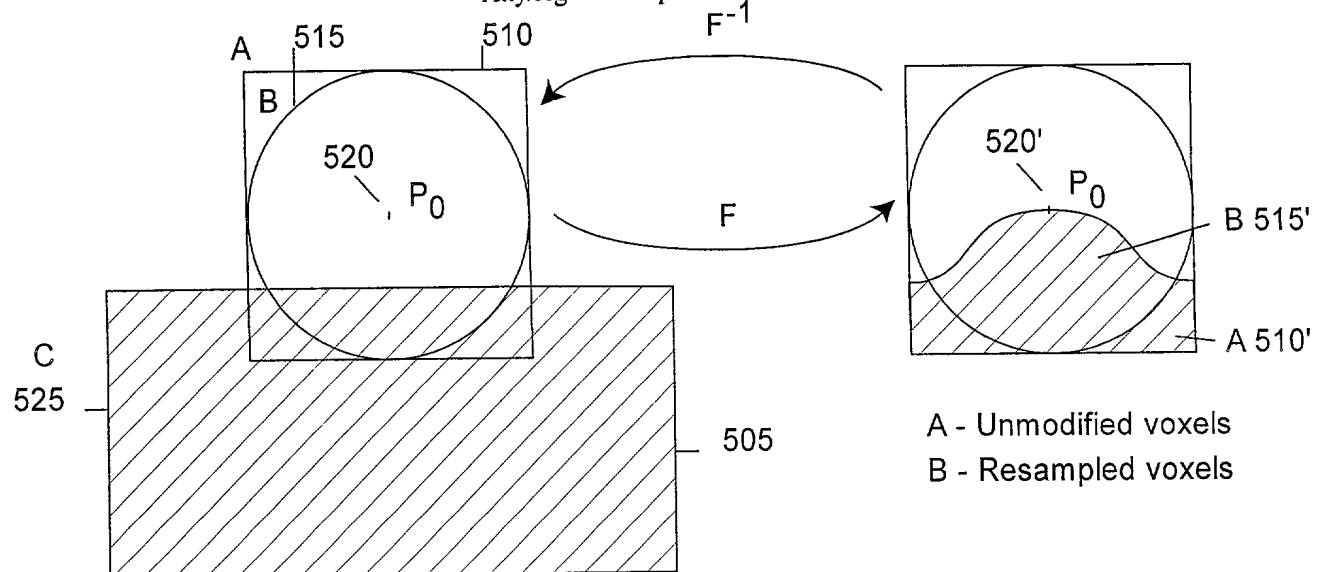


Figure 4

Title: Systems And Methods For
Voxel Warping
Inventor: Payne
Serial No. Not Yet Assigned
Atty Docket No. SNS-009A (7268/15)
Atty/Agent: Joseph B. Milstein



A - Scratch buffer region
B - Region of influence for warp
C - Original voxel model

Figure 5

A - Unmodified voxels
B - Resampled voxels

Figure 6

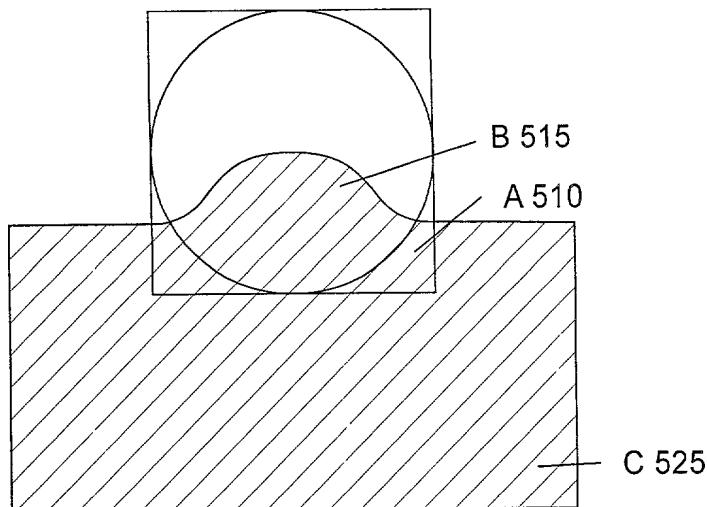


Figure 7

Title: Systems And Methods For
Voxel Warping
Inventor: Payne
Serial No. Not Yet Assigned
Atty Docket No. SNS-009A (7268/15)
Atty/Agent: Joseph B. Milstein



Figure 8

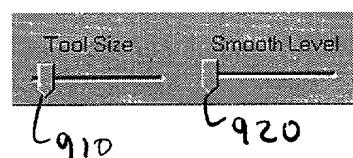


Figure 9

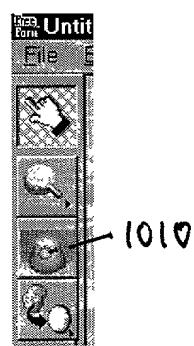


Figure 10

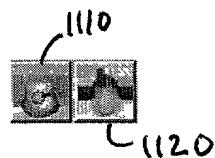


Figure 11

Title: Systems And Methods For
Voxel Warping
Inventor: Payne
Serial No. Not Yet Assigned
Atty Docket No. SNS-009A (7268/15)
Atty/Agent: Joseph B. Milstein

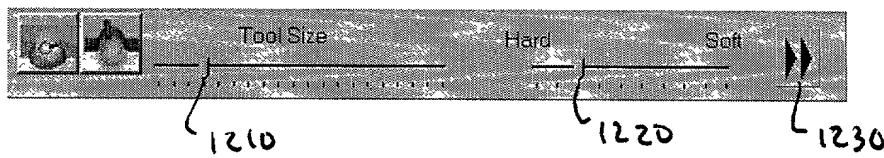


Figure 12

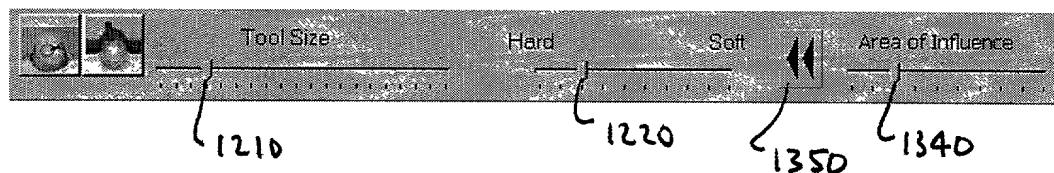


Figure 13

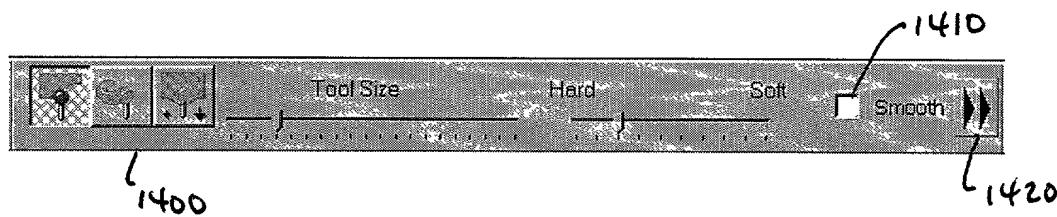


Figure 14

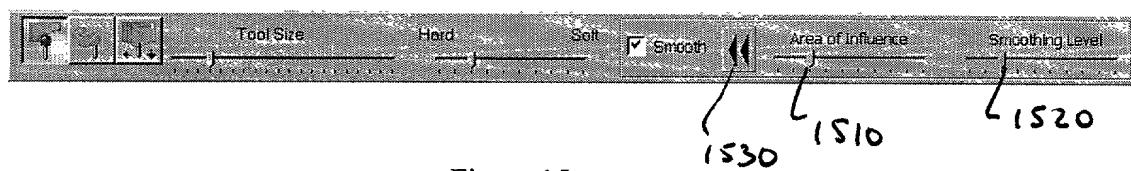


Figure 15

Title: Systems And Methods For
Voxel Warping
Inventor: Payne
Serial No. Not Yet Assigned
Atty Docket No. SNS-009A (7268/15)
Atty/Agent: Joseph B. Milstein

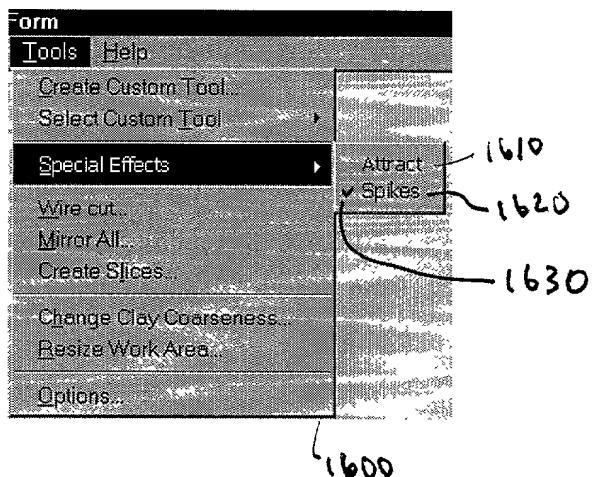


Figure 16

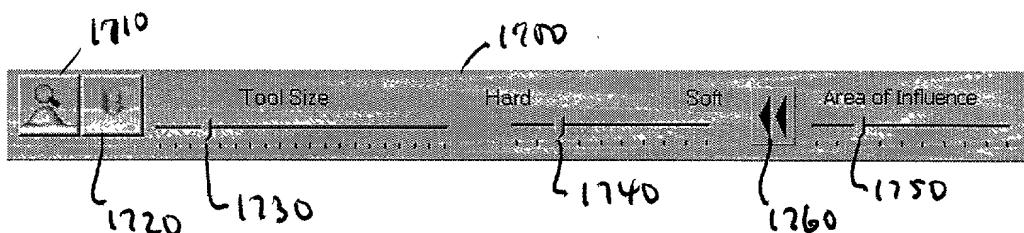


Figure 17

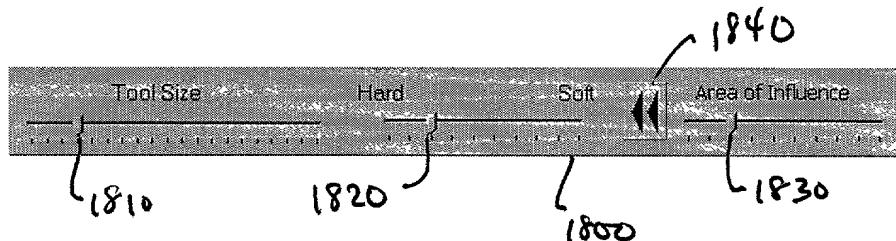


Figure 18

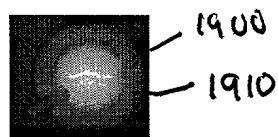


Figure 19

Title: Systems And Methods For
Voxel Warping
Inventor: Payne
Serial No. Not Yet Assigned
Atty Docket No. SNS-009A (7268/15)
Atty/Agent: Joseph B. Milstein

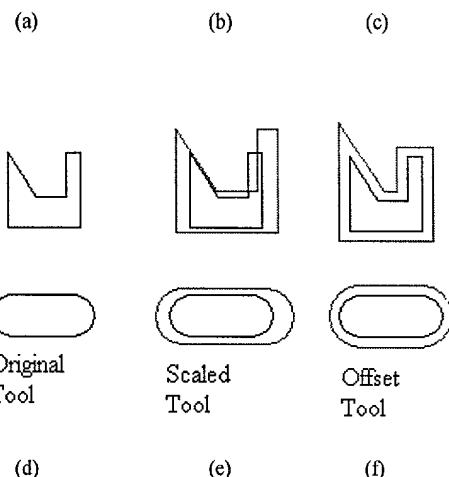


Figure 20